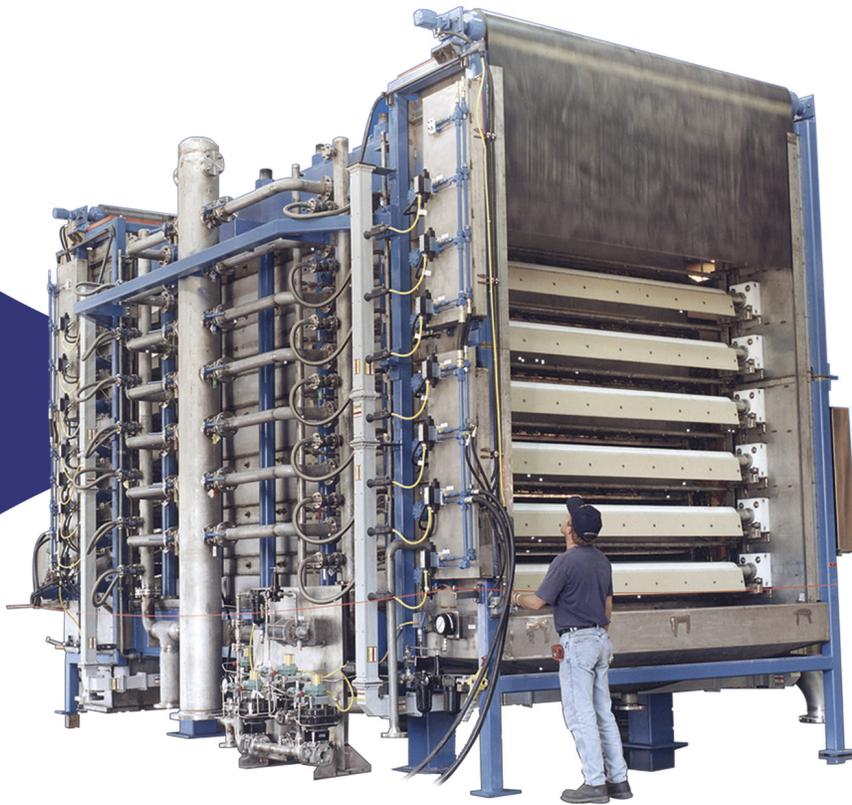


Proven Technology

Verti-Press Filters

Discover Optimized Dewatering,
Automatic Pressure Filters That Increase Production,
Improve Your Quality, Simplify Your Processes
And Much Much More...



Better Filtration Through Better Technology

FiltraSystems.com

248-427-9090



info@FiltraSystems.com
An ISO 9001 Registered Company

Introduction

Filtra-Systems is the leading supplier of industrial filtration and separation systems. One call or email and you'll quickly find the ideal filtration technology for your system, saving you time, effort and money.

Not sure what type of filter you need? Call us now at 248-427-9090 or email us at info@FiltraSystems.com. Our team of expert applications engineers would love to take a look at your process and make a meaningful recommendation.

How A Verti-Press Filter Increases Your Process Efficiency While Reducing Your Operating Costs

EXTREMELY DRY CAKES - Diaphragm squeeze produces filter cakes as dry as 94% solids.

PURER PRODUCTS - Horizontal cake formation, a true displacement washing process and our unique filter chamber design combine to produce 99%+ wash efficiencies while minimizing wash water consumption.

SINGLE POINT CAKE DISCHARGE - All filter cakes are discharged from the filter at one end simultaneously. This eliminates the need for cross conveyors and lowers installation costs. Each filter chamber has an independent conveyor, a dedicated filter belt and a prox switch to insure all filter cakes are completely discharged each cycle.

FULLY AUTOMATIC OPERATION - These filters are designed to be 100% automatic with minimal operator attention required. All process variables are monitored and displayed on the control panel's HMI touch screen which also acts as an operator interface.



PROCESS WATER FILTER A 50 sqft Verti-Press. This filter is used by a fiberglass insulation producer to filter their process water. Fiberglass insulation, oils, greases, and resin is removed by using disposable media. The Verti-Press filter was chosen because it vastly improved filtration over conventional pressure filter technology.

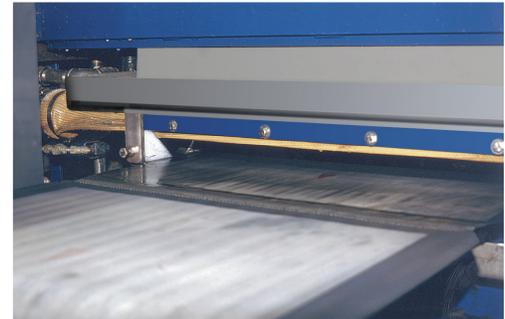
INCREASED PRODUCTION - The Verti-Press Filter can *cycle in as fast as five minutes*, discharge to discharge, dramatically increasing filter capacity.

REDUCED PRODUCT LOSSES - Our upgraded dual seal design reduces solids in the filtrate to less than 0.1%

CHAMBER ISOLATION CAPABILITY - The Verti-Press offers operators the unique flexibility to shut off filter chambers, continue production, and schedule maintenance at a more convenient time.

ROBUST DESIGN - The filter has been designed for reliability, maintainability, and safety in mind. The number of moving parts has been minimized and the filter has been designed for service with aggressive slurries.

MINIMUM MOVING PARTS - Opening and closing of the filter is accomplished by pressurizing and depressurizing the filter end seals and side seals, not shifting the entire plate stack. All filter chambers are stationary, leading to fewer wear items, less maintenance and improved reliability.



FILTER CAKE WASH & DEWATER This 150 sqft press filters, washes, and dewater a specialty chemical. Rotary drum filters were used prior to the Verti-Press, which was installed because it will wash and dewater the filter cake at a single step in the process.



MINERAL CONCENTRATE DEWATERING This Verti-Press is designed to filter, cake wash and dewater an extremely valuable mineral concentrate. This 75 sqft machine produces cake that is up to 90% solids by weight.



INDUSTRIAL MINERAL FILTRATION This 700 sqft filter is designed with 7 vertically stacked chambers and is expandable to 800 sqft. It is used to filter, pH adjust and provide an ion exchange cake wash in a single cycle.

FILTRA-SYSTEMS: VERTI-PRESS FILTER SPECIFICATIONS

Model No.	Filter Area ft ²	Dimensions		Weight lbs.	Model No.	Filter Area ft ²	Dimensions		Weight lbs.
		LxWxH (ft)	LxWxH (m)				LxWxH (ft)	LxWxH (m)	
VP-10-1	10	13'-3" x 6'-10" x 8'-4"	4.05 x 2.1 x 2.55	13,600	VP-50-5	250	23'-11" x 9'-7" x 13'-11"	7.3 x 2.9 x 4.25	86,750
VP-10-2	20	13'-3" x 6'-10" x 9'	4.05 x 2.1 x 2.75	16,000	VP-50-6	300	23'-11" x 9'-7" x 15'-1"	7.3 x 2.9 x 4.6	99,000
VP-10-3	30	13'-3" x 6'-10" x 9'-8"	4.05 x 2.1 x 2.95	18,400	VP-50-7	350	23'-11" x 9'-7" x 16'-3"	7.3 x 2.9 x 4.95	111,250
VP-25-1	25	16'-9" x 8'-8" x 9'-3"	5.1 x 2.65 x 2.8	24,000	VP-50-8	400	23'-11" x 9'-7" x 17'-5"	7.3 x 2.9 x 5.4	123,500
VP-25-2	50	16'-9" x 8'-8" x 10'-3"	5.1 x 2.65 x 3.1	30,000	VP-100-2	200	21'-10" x 14'-1" x 10'-4"	6.65 x 4.3 x 3.15	94,000
VP-25-3	75	16'-9" x 8'-8" x 11'-3"	5.1 x 2.65 x 3.45	36,000	VP-100-3	300	21'-10" x 14'-1" x 11'-8"	6.65 x 4.3 x 3.55	110,000
VP-25-4	100	16'-9" x 8'-8" x 12'-3"	5.1 x 2.65 x 3.75	42,000	VP-100-4	400	21'-10" x 14'-1" x 13'	6.65 x 4.3 x 3.95	126,000
VP-25-5	125	16'-9" x 8'-8" x 13'-3"	5.1 x 2.65 x 4.05	48,000	VP-100-5	500	21'-10" x 14'-1" x 14'-4"	6.65 x 4.3 x 4.35	142,000
VP-25-6	150	16'-9" x 8'-8" x 14'-3"	5.1 x 2.65 x 4.35	54,000	VP-100-6	600	21'-10" x 14'-1" x 15'-8"	6.65 x 4.3 x 4.8	158,000
VP-50-1	50	23'-11" x 9'-7" x 9'-3"	7.3 x 2.9 x 2.8	37,750	VP-100-7	700	21'-10" x 14'-1" x 17'	6.65 x 4.3 x 5.2	180,000
VP-50-2	100	23'-11" x 9'-7" x 10'-5"	7.3 x 2.9 x 3.2	50,000	VP-100-8	800	21'-10" x 14'-1" x 18'-4"	6.65 x 4.3 x 5.6	196,000
VP-50-3	150	23'-11" x 9'-7" x 11'-7"	7.3 x 2.9 x 3.55	62,250	VP-100-9	900	21'-10" x 14'-1" x 19'-8"	6.65 x 4.3 x 6	212,000
VP-50-4	200	23'-11" x 9'-7" x 12'-9"	7.3 x 2.9 x 3.9	74,500	VP-100-10	1000	21'-10" x 14'-1" x 21'	6.65 x 4.3 x 6.4	228,000

Why Should You Choose The Verti-Press Filter?

Because you want the most efficient method to filter, cake wash, and dewater your slurry, producing the highest purity product.

You'll see that by making individual chamber isolation possible, a higher level of equipment runtime is reached, giving you far more flexibility when scheduling maintenance.

Filtra-Systems added larger machine sizes and a new enclosed chamber design reducing both your initial costs and operating costs. These new chamber designs minimize potential fluid exposure outside of the filter, ensuring equipment and operator safety.

Thanks to experience in a wide variety of industries with many different materials and manufacturing processes, Filtra-Systems understands the specific concerns and frustrations you run into with other dewatering methods.

When high cake solids and the highest wash efficiency are required, and reliability and maintainability are a must, there is no better choice than the Verti-Press.

Call Now To Find Out How These Verti-Press Filters Will Simplify Your Process, Increase Your Production, Improve Your Product Quality And Reduce Your Energy Consumption.



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